

Today's Topics:

FT-470, the continuing saga...
Interception of E-Mail by spies
MANUFACTURER OF CDE ROTATORS ?
NASA Audio Retransmissions (2 msgs)
rec.scanners
Source for 2SD845?

Date: 15 Dec 89 21:14:24 GMT

From: pasteur!navajo.berkeley.edu!bilbo@uchvax.Berkeley.EDU (Bill Baringer)

Subject: FT-470, the continuing saga...

Message-ID: <20727@pasteur.Berkeley.EDU>

In article <8912141655.AA00039@adam.DG.COM> <PZS@MERCURY.MCEO.DG.COM> writes:

>Re: Tunable front ends

>"tracking" front end, which was just a varactor tuned filter that

>peaked the front end for the frequency you were listening to. I

>suspect that the more expensive commercial radios do the same thing,

Yaesu's FT-23R have this "tracking" front-end. They removed it in hopes of achieving a more sensitive rcvr in the -411 and -470. Ooops. Works great in the faraday-cage lab, but otherwise.... As reported earlier, they have the "fix" for this for the -470, just send your radio in to them. Why it's not a similar repair for the -411 is not clear to me.

Bill -KI6DG

Date: 15 Dec 89 20:45:12 GMT

From: lanai!pierce@cs.ucla.edu (Brad Pierce)

Subject: Interception of E-Mail by spies

Message-ID: <30036@shemp.CS.UCLA.EDU>

In article <7C`2N^@rpi.edu> joe@fritz@pawl.rpi.edu (Jochen M. Fritz) writes:

** I was just told by a friend that the
** government monitors and intercepts E-Mail
** messages that may contain information that may be
** detrimental to "National Security".

Which agencies are responsible for this? Don't they also monitor long-distance phone conversations, international mail, etc? How much does this "service" cost the taxpayer?

Incidentally, what is the constitutional basis for the "National Security" justification that seems to outweigh all other considerations? Which agencies of the government have the right to classify different information as secret and which have the right to review these decisions?

** I am at a
** top technical school that has major ties to
** government money, so they have an excuse to
** censor *PRIVATE* messages between people. I was
** told of a person who wrote a message which
** contained numerous buzzwords, that would be
** found if any spies were looking. This message
** was littered with phrases such as "pentagon",
** "blow it up", "Laser tag", "Star Wars". The
** phrases were used completely out of military
** context (ie we went to see "Star Wars") The
** message never made it through, and no record was
** even kept of this message.

Sounds like an urban legend to me.

** This seems to be a gross infringement of
** our constitutional right to freedom from
** unreasonable search and seizure. If anyone else
** has any info on this, either post it or mail me
** (I'll trust THEM)

Exactly what are one's rights when communicating over computer networks? How do they compare to those regulating intercepts of phone and mail communication?

The only reasonably secure means of E-mail transmission, if you don't want someone somewhere to read it is encryption. Therefore I was wondering if it is actually legal to mail encrypted messages. Does it depend on whether the encryption scheme is breakable by the government? Does it matter whether the communication is "in-house" or over "public utilities"? (I don't know the correct terminology.) Is transmission of encrypted messages over radio frequencies legal? Is the transmission of encrypted messages over E-mail sufficient legal grounds to open an investigation?

-- Brad

Date: 14 Dec 89 21:36:35 GMT
From: eru!luth!sunic!tut!ousrvr!news@bloom-beacon.mit.edu (Marko Wirtanen)
Subject: MANUFACTURER OF CDE ROTATORS ?
Message-ID: <SO-MMW.89Dec14233953@stekt.oulu.fi>

Our club station OH8TA has a CDE rotator, but after a storm the
teethwheel of the rotator unit is broken. Does anyone know the address
of CDE manufacturer to have spare parts (Cornell Dublier Electronics).
If someone knows spare parts supplier, please inform us !

Marko Wirtanen /OH8WM

so-mmw@stekt.oulu.fi (E-mail)

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Marko Wirtanen
Rakentajantie 5C 406
SF-90570 Oulu
FINLAND

E-mail: so-mmw@stekt.oulu.fi
Phone: +358 (9)81 562073
Ham Radio Call: OH8WM

Date: 15 Dec 89 02:06:59 GMT
From: smcnet!lawrence@cs.ucla.edu (Lawrence Roney)
Subject: NASA Audio Retransmissions
Message-ID: <429@smcnet.UUCP>

>From NASA SPACELINK
Provided by the NASA Educational Affairs Division
Operated by the Marshall Space Flight Center

Amateur Radio Retransmission of Shuttle Audio/Video

NOTE: This information is unofficial, and its accuracy is not guaranteed.

The Goddard Space Flight Center Amateur Radio Club (GARC) has transmitted,
by Amateur Radio, NASA Select audio on the following frequencies:

75 Meters; 3.860 MHz. U.S. and Canada coverage*

40 Meters; 7.185 MHz. World wide coverage*

20 Meters; 14.295 MHz. World wide coverage*

15 Meters; 21.395 MHz. World wide coverage*

10 Meters: 28.650 MHz. World wide coverage*

A0-13 (AMSAT OSCAR) Satellite; 145.945 MHz. Primary; 145.955 MHz.
Alternate. This Mode B requires a satellite-high gain antenna

*Coverage is dependent on Solar Activity and Ionosphere conditions. With a good short-wave receiver and outside antenna, reception should be possible. Due to ionospheric conditions and time of day/night, certain bands have better reception. A search of each band is recommended.

The GARC plans to re-transmit Shuttle video on Amateur TV for hams and ham TV watchers in the Washington, DC area. Contacts at GSFC: Russ Jones, N3EG0, or Frank Bauer, KA3HD0.

The Marshall Center Amateur Radio Club will re-transmit NASA Select audio at 147.100 MHz., 145.1 MHz., and 173.025 MHz. These transmissions can be heard only in the local Huntsville, Alabama area.

Persons in the JPL, JSC, KSC, and possibly other centers may provide this service via amateur radio and other means.

Ed Stluka, W4QAU, MARC, 5/4/89

AS AN ADDITION TO YOUR HAM RADIO FREQUENCIES INFORMATION YOU MIGHT INCLUDE THE FACT THAT PEOPLE IN THE GREATER SAN FRANCISCO BAY AREA AND SACRAMENTO CAN VIEW THE MISSION VIA THE W6NKF AMATEUR TELEVISION REPEATER ON MT. DIABLO WHICH OPERATES ON 427.250 MHZ WITH THE ANTENNA POLARIZATION BEING VERTICAL. THOSE WITH CABLE READY TV'S VCR'S OR CABLE COMPANY BOXES CAN TUNE THIS EQUIPMENT TO CHANNEL 58 IN THE CATV FORMAT AND BY HOOKING UP AN OUTSIDE TV ANTENNA SHOULD BE ABLE TO RECEIVE THE TELECAST. THIS MAKES THE SERVICE AVAILABLE TO THE GENERAL PUBLIC INCLUDING SCHOOLS, COLLEGES ETC.

SHUTTLE AUDIO IS RETRANSMITTED IN THE MINNEAPOLIS/ST. PAUL, MINNESOTA ON 145.150 MHZ DURING ALL SHUTTLE FLIGHTS. ADDITIONALLY, DURING SOME FLIGHTS, THE AUDIO IS ALSO RETRANSMITTED BY THE 3M ARC REPEATER (WB0BQG/R) ON 147.12 MHZ.

IN THE LOS ANGELES AREA, SHUTTLE AIR-TO-GROUND MAY SOMETIMES BE HEARD ON VHF AT 145.46 MHZ.

THE WB4LA REPEATER LOCATED IN DAYTON, OH ON THE FREQUENCY OF 145.11
REBROADCASTS NASA SHUTTLE COVERAGE FROM NASA SELECT.

HERE IN THE PHOENIX AREA WE ARE RECEIVING SHUTTLE COMMUNICATIONS ON
449.000 MHZ.

HELLO WAYNE HARRELL WD4LYV WITH THE COASTAL PLAINS AMATEUR RADIO CLUB
WE HAVE SHUTTLE AUDIO ON THE WD4EVD REPEATER IN SOUTH GEORGIA
REPEATER IS LOCATED AT ASHBURN GA. NEAR I-75
147.285 IS THE FREQ.

DURING STS MISSIONS, NASA SELECT AUDIO IS AVAILABLE ON AMATEUR RADIO REPEATER
WD6BNO/R TRANSMITTING ON 52.22 MHZ WITH COVERAGE IN THE CENTRAL SAN JOAQUIN
VALLEY, CALIFORNIA. COVERAGE INCLUDES BAKERSFIELD TO STOCKTON. ENJOY!!

HERE IS A FREQUENCY TO ADD TO YOUR HAM LISTINGS OF NASA REBROADCASTS.
THE AMES AMATEUR CLUB RE-BROADCASTS NASA SELECT AUDIO ON 145.580 MHZ 2M FM.
THE SIGNAL ORIGINATES FROM THE NASA-AMES RESEARCH CENTER IN THE HEART
OF THE SILICON VALLEY, MOUNTAIN VIEW, CA.
NASA SELECT VIDEO IS AVAILABLE FOR THOSE WHO HAVE LINE-OF-SIGHT
TO BLACK MOUNTAIN VIA AMATEUR TV. FOR ATV DETAILS
MAIL TO: AMES AMATEUR CLUB, P.O. BOX 73, MOFFETT FIELD, CA., 94035-0073.

JOHNSON SPACE CENTER SUPPLIES
A NASA SELECT AUDIO ON 146.64 MHZ 2M FM (W5RRR REPEATER).

FROM WB4CXD- SHUTTLE AUDIO CAN BE HEARD IN BIRMINGHAM, AL ON
145.38 (DIRECT) AND VIA N4AHN REPEATER ON 145.15 MHZ.

..
IF VISITING THE "MILA" (MERITT ISLAND LAUNCH AREA) AT CAPE CANAVERAL,
YOU CAN HEAR LAUNCH, AND AIR-TO-GROUND ON THE K4GCC REPEATER AT
146.94 MHZ. THIS IS A HAM RADIO REPEATER WHICH CARRIES THE "USUAL
INANE HAM CHATTER" UNTILL SOMETHING COMES DOWN THE NASA SELECT AUDIO
FEED. THEN THE FEED OVERRIDES THE REPEATERS INPUT FREQUENCY, AND THE
NASA FEED IS BROADCAST. SO DON'T GET FRUSTRATED THAT THESE RATCHET-
JAWS ARE HOGGING THE AIR, IT JUST MEANS NOTHING IS HAPPENNING YET.

NASA SELECT IS ON 444.3 (NN0V) AND 146.40 IN THE CEDAR RAPIDS IOWA AREA.
FOR THIS MISSION (STS34) IT HAS BEEN ON 444.3 ONLY. WE KNOW OF QUITE

A FEW LISTENERS FOR THIS; ALSO MAY BE ON COX CABLE CH 13 (KTS).
Subject: NASA Audio Retransmissions
Newsgroups: rec.ham-radio,rec.radio.shortwave,sci.space.shuttle
Keywords: Space Shuttle

Date: 15 Dec 89 01:48:50 GMT
From: smcnet!lawrence@cs.ucla.edu (Lawrence Roney)
Subject: NASA Audio Retransmissions
Message-ID: <428@smcnet.UUCP>

Date: 14 Dec 89 18:14:50 GMT
From: att!cbnewsj!ralph@ucbvax.Berkeley.EDU (Ralph Brandi)
Subject: rec.scanners
Message-ID: <2856@cbnewsj.ATT.COM>

In article <16110@megaron.cs.arizona.edu> robert@cs.arizona.edu (Robert J. Drabek) writes:

>In article <37046@apple.Apple.COM>, chuq@apple.COM (Chuq Von Rospach) writes:
>> If the ham radio folks don't want you scanner folks, then come on over to
>> rec.radio.shortwave. You're welcome to join us until you decide you want

>
>NO! NO! NO!
>Rec.radio.shortwave was created to keep the noise level down or at least
>within a specific spectrum. Create a rec.radio.scanner if you want, I'd
>certainly vote a resounding yes, but we do not want our (shortwave)
>bandwidth chocked full scanner stuff, please. Most of us don't have the

NO! NO! NO!

rec.radio.shortwave was created for ALL people who like to listen to radio communications, from DC to daylight. The original call for discussion and call for votes posted by Richard Shapiro made it clear that the group was not intended to be limited to HF, as did numerous postings during the discussion period. The group is for all radio monitoring hobbyists. If the scanner enthusiasts want to create their own group, more power to them, but it would be wrong, impolite, etc., to chase them out of a group that they were specifically welcomed in to from day one.

--

Ralph Brandi ralph@lzfme.att.com att!lzfme!ralph

Work flows toward the competent until they are submerged.

Date: 15 Dec 89 16:13:59 GMT
From: hpl-opus!hpnmdla!glenne@hplabs.hp.com (Glenn Elmore)
Subject: Source for 2SD845?
Message-ID: <1250100@hpnmdla.HP.COM>

The August 1989 JARL CQ Ham Radio lists the 2SD845 for 260 Yen.
As nearly as I can make out this is from:

B M
New Akihabara Center 16-10
I-chome Sotokanda
Chiyoda-Ku, Tokyo

Telephone (771) 1994 FAX 253-8535

But I don't read Hirekana, Katekana or Kanji so I'm guessing.

Glenn Elmore -N6GN-

N6GN @ K3MC
glenn@n6gn.ampr.org
glenne@nmd.hpcom

End of INFO-HAMS Digest V89 Issue #1023
